PATENT COOPERATION TREATY

From the

| INTERNATIONAL SEARCHING AUTHO |
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| To: |
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PCT

WRITTEN OPINION OF THE

| CHARLOTTE, NC 28211 | | INTERNATIONAL SEARCHING AUTHORITY | | | |
|---|--|---|-------------|--|--|
| | | (PCT Rule 43bis.1) | | | |
| | | Date of mailing (day/month/year) | 15 JUN 2005 | | |
| Applicant's or agent's file reference | - | FOR FURTHER ACTION | | | |
| 2004/02 PCT | | See paragraph 2 below | | | |
| International application No. | International filing date | e (day/month/year) Priority date (day/month/year) | | | |
| PCT/US05/08989 | 18 March 2005 (18.03.2 | .2005) 22 March 2004 (22.03.2004) | | | |
| International Patent Classification (IP | International Patent Classification (IPC) or both national classification and IPC | | | | |
| IPC(7): D01F 6/00; B32B 5/02, 27/1 | 2, 27/04 and US Cl.: 428/36 | 4, 375; 442/93,94 | | | |
| Applicant | | | İ | | |
| INVISTA NORTH AMERICA | | | | | |
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| 1. This opinion contains indications | relating to the following iten | ns: | | | |
| Box No. I Basis of | the opinion | | | | |
| Box No. II Priority | | | | | |
| Box No. III Non-est | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | |
| Box No. IV Lack of | ck of unity of invention | | | | |
| Box No. V Reasons applicat | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | |
| Box No. VI Certain | documents cited | nts cited | | | |
| Box No. VII Certain | defects in the international a | al application | | | |
| Box No. VIII Certain | VIII Certain observations on the international application | | | | |
| 2. FURTHER ACTION | | | | | |
| If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. | | | | | |
| If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. | | | | | |
| 1 of further options, see 1 of the Constitution | | | | | |
| 3. For further details, see notes to Form PCT/ISA/220. | | | | | |
| Name and mailing address of the ISA | | Authorized office | er Transfer | | |
| Mail Stop PCT, Ann: ISA/US Commissioner for Patents | | N Edwards | | | |
| P.O. Box 1450 Alexandria, Virginia 22313-1 | 150 | Telephone No. 571-272-1700 | | | |
| I = = = = = = = = = = = = = = = = = = = | Facsimile No. (703) 305-3230 | | | | |

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

| International application No. | |
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| PCT/US05/08989 | |

| Box No | o. 1 Basis of this opinion |
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| | regard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item. |
| | This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). |
| 2. With claims | regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ed invention, this opinion has been established on the basis of: |
| a. | type of material |
| | a sequence listing |
| | table(s) related to the sequence listing |
| b. | format of material |
| | in written format |
| | in computer readable form |
| c. | time of filing/furnishing |
| | contained in international application as filed. |
| | filed together with the international application in computer readable form. |
| | furnished subsequently to this Authority for the purposes of search. |
| | |
| 3. | In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. |
| 4. Addi | tional comments: |
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/08989

| Box No. V Reasoned statement under Rule applicability; citations and expla | 43 bis.1(a)(i) with regard to novelty, invariant supporting such statement | entive step or industrial |
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| 1. Statement | | |
| Novelty (N) | Claims NONE | YES |
| • · · | Claims 1-8 | N0 |
| Inventive step (IS) | Claims NONE | YES |
| inventive step (26) | Claims 1-8 | N0 |
| Industrial applicability (IA) | Claims 1-8 | YES |
| Industrial applicability (IA) | Claims NONE | N0 |
| 2. Citations and explanations: Claims 1-8 lack an inventive step under PCT Artic admission at page 2 of spec. Hancock teaches a fabric (include any and all fabri (fluorochemicals) polymer. Hancock further teacher polymers. Hancock still further teaches the filaments have a comperformance and so called static Voltage (operating Applicant admission on page 2 of the spec it is well finishes have a wicking performance of 6.4mm and Therefore, it would have been obvious to one of on have a reasonable expectation of success of posses and static voltage, as taught by Applicant admission. Claims 1-8 meet the criteria set out in PCT Article the subject matter claimed can be made or used in | c) made from yarn which is made from filaments the filaments are be made from polyesters, pointact angle (or water contact angle) of 90 degregange) of +/- 400 volts. I known if the art the fabrics made of polyester a static voltage range greater than 400 volts. I dinary skill in the art that the fluorochemical coing the claimed wicking performance on. Hence obviousness is met. 33(4), and thus the filament yarn and fabric has | et(s)have a coating of halogenated oly-olefins, polyamides and others rees. Hancock is silent to wick yarn having fluorochemical coated fabric, as taught by Hancock |

WRITTEN OPINION OF THE

International application No.

| PCT/US05/08989 | | | | |
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| The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made: | | | | |
| Claims 1 and 5 "static voltage of +/-400 volts" is vague, indefinite and misleading. As written in the claim it appears the filament yarn or fabric has the static voltage of +/-400 VOLTS. Reading the claims in light of the spec at page 2 and page 8 "static voltage"as claimed is a static operating range of voltage (+/-400 volts) use to measure static voltage running in a yarn with a voltmeter. Correction is required. | | | | |
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